

**PROCESS FOR THE MANUFACTURE OF
(POLY-)ISOCYANATES IN THE GAS PHASE**

ABSTRACT OF THE DISCLOSURE

The present invention relates to a process for the manufacture of diisocyanates by phosgenation of the corresponding diamines in which the vaporous diamines, optionally rarefied with an inert gas or with the vapors of an inert solvent, and phosgene are heated separately to temperatures of about 200°C to about 600°C and mixed and reacted in a tube reactor characterized in that a number $n \geq 2$ of nozzles directed parallel to the axis of the tube reactor are arranged in the tube reactor, the diamine-containing stream being fed into the tube reactor through the n nozzles and the phosgene stream being fed into the tube reactor through the remaining free space.